



Engineering Division

TOWN OF ARLINGTON
Department of Public Works
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Warren Street Traffic Calming Project

Introduction:

The Department of public Works is planning work along Warren Street in coordination with the addition of new ADA compliant curb cuts and curb ramps. This work will add ADA compliant access where there currently is none, as well as remove and replace non-compliant sections of sidewalks. As part of this project the Engineering Division is proposing pedestrian curb extensions with appurtenant pedestrian crossing and advance warning signage to provide a traffic calming effect on the Warren Street corridor.

The Engineering Division has previously received phone calls and on-line requests to address vehicle speeds and noise caused by what was described as an increase in truck volume. The Engineering Division began monitoring activities along Warrant Street in the Spring of 2022 to identify if traffic calming measures should be implemented as part of the future work project. Observations included identifying pedestrian volume, direction of travel and crossing locations. No speed studies or traffic counts were performed, however, there were no flagrant issues observed relating to speed issues or excessive truck volume.

Based on observations of pedestrian activity, it was determined that the areas of Thompson School on Everett Street, Gibbs School on Foster St. and the St. Agnes School at Medford/Warren Street were the primary pedestrian generators for pedestrian traffic along Warren Street at the peak hours associated with school drop-off and pick-up times. The majority of the pedestrian crossings of Warren St. occurred primarily between Rawson Road and River Street on the east end, and Franklin Street and Medford Street on the west end, with each area exceeding 50 pedestrian crossings during the peak hour.

Due to the observed numbers, the Engineering Division proceeded to design curb extensions at the following locations:

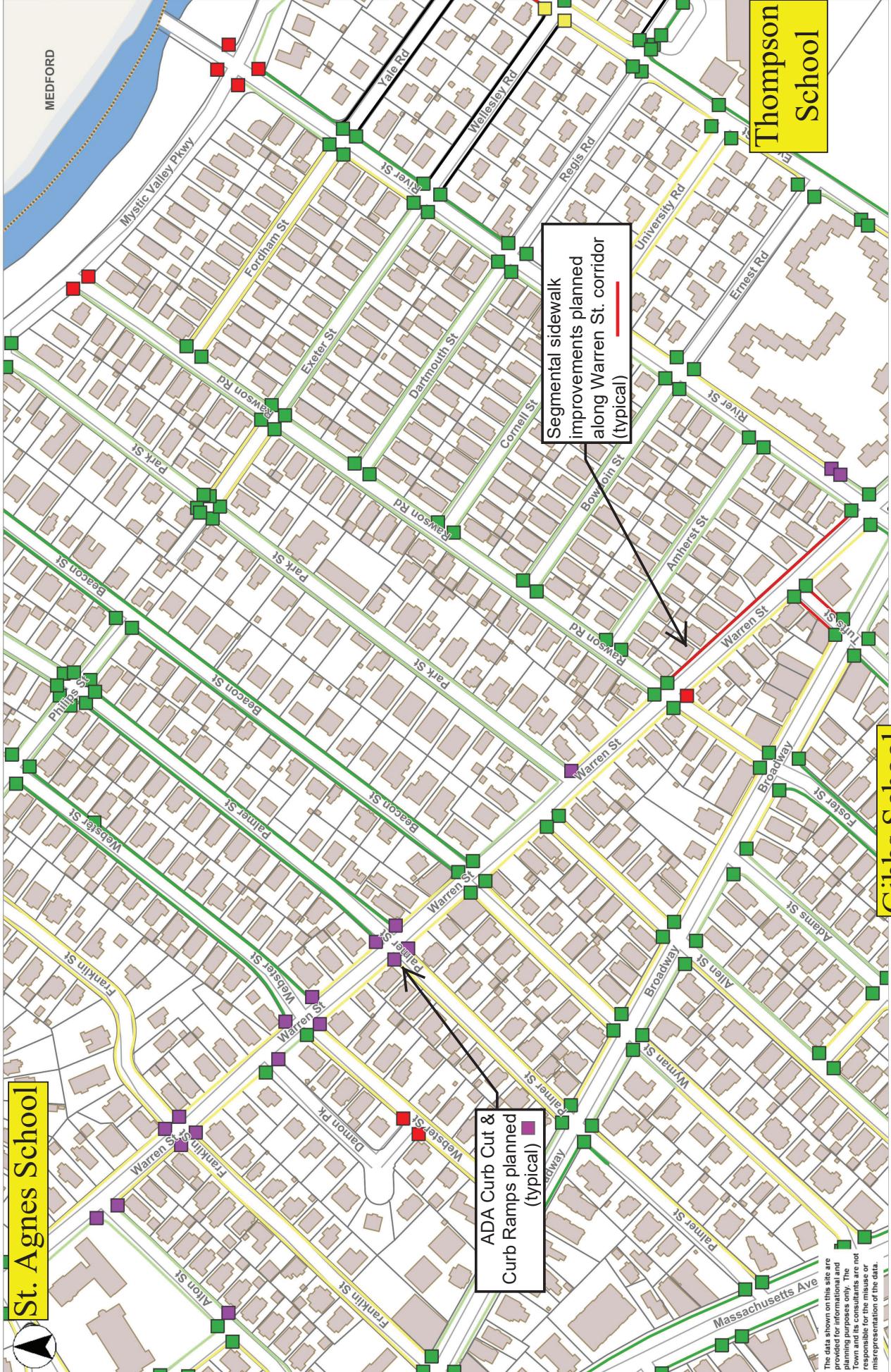
1. Warren St. at Park St./Allen St.: this location functionally coincides with pedestrian crossing requirements for both the Gibbs School and the Thompson School.
2. Warren St. at Webster St.:

Both of these proposed design locations are tributary to a large number of parcels and potential pedestrians/students, and provide equidistant and convenient crossings for pedestrians transiting the corridor. Placement of these pedestrian curb extensions in conjunction with suitable pedestrian crossing and advanced warning signage will provide a consistent visual queue along the corridor to reduce traffic speeds and provide consistent expectations for pedestrian crossing activity.

The attached Locus Map provides an overview of the local pedestrian generators as well as the select area of parcels that would likely utilize the potential improvements for pedestrian crossing. As well as an anticipated zone for people that may utilize the open space improvements.



DW - Sidewalk/Ramp Status
DW - Sidewalk/Ramp Status
Proposed
Unknown
Excellent
Good
Fair
Poor
None
MA - Infrastructure
USA Highway/Routes
Abutting Towns
Town Boundary
Parcels
Buildings
Cemeteries/Roads
Roads
Pavement Markings
Intersection Surface - For Baseline
Street Surface - For Baseline
Sidewalks and
Driveways and
Parking Lots
Local Roads
Master Plan Base Map - Muli-layered
Water Line
Water Body





Police (All Pole Uses)
Pole Lamp Post
Utility Pole with Street Light
Pedestrian Signal Pole
Utility Pole with Street Light
Engineering - Drainage Plate Ind
Police Callbox
Police Station
School
Parks
Buildings
Pavement Markings
Major Highways
Local Roads
Acres
Towns Boundary
Cemetery - Roads
Roads
Roads
Roads
Intersection Surface - For Both M
Sidewalks
Dowry
Ramps - For Large Scale (for Two
For Small Scale (for Two
Local Road
Master Plan Base Map - Minimum
Water Line
Waste Body
Waste



W11-2



W16-7PR



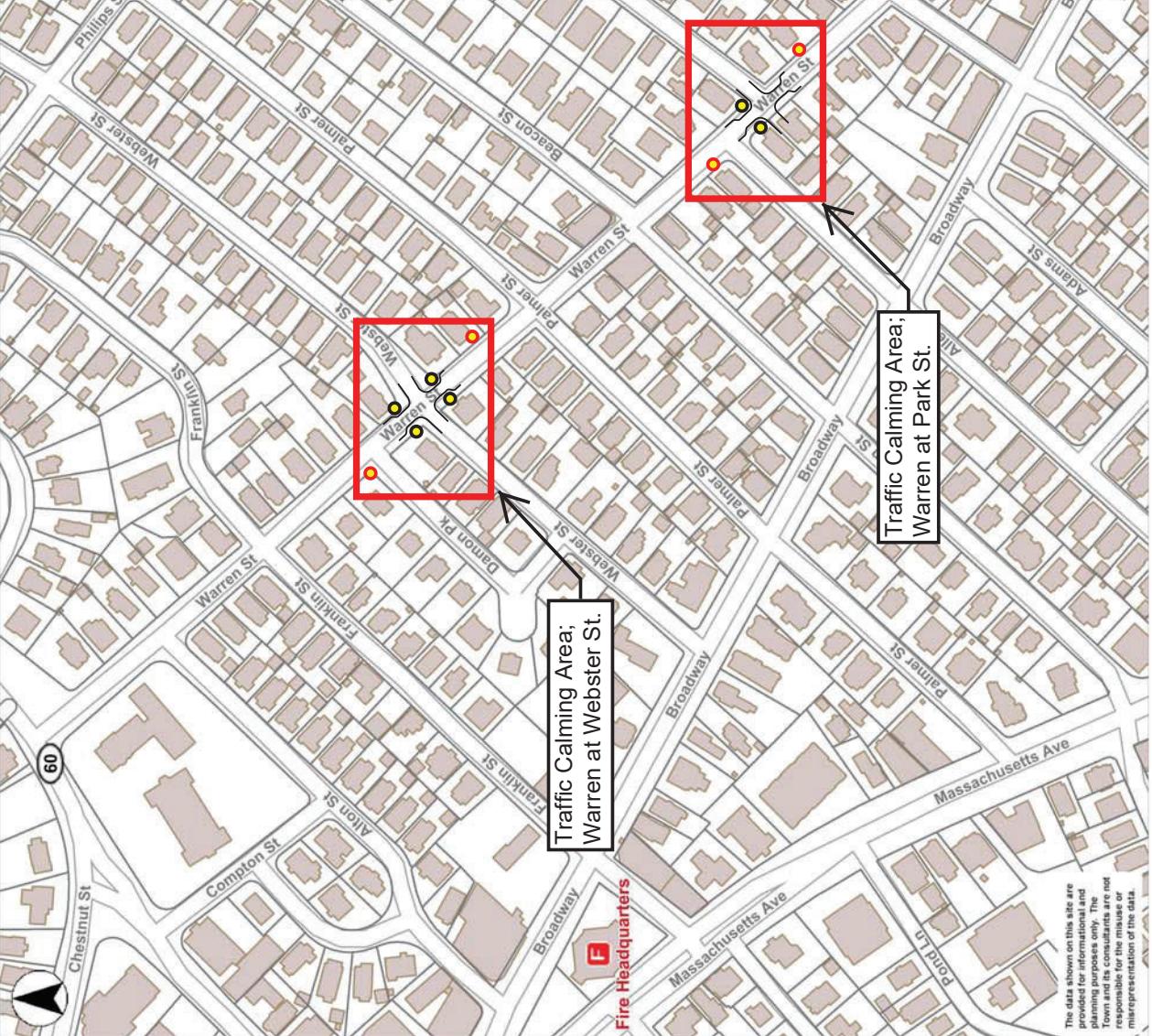
W16-9

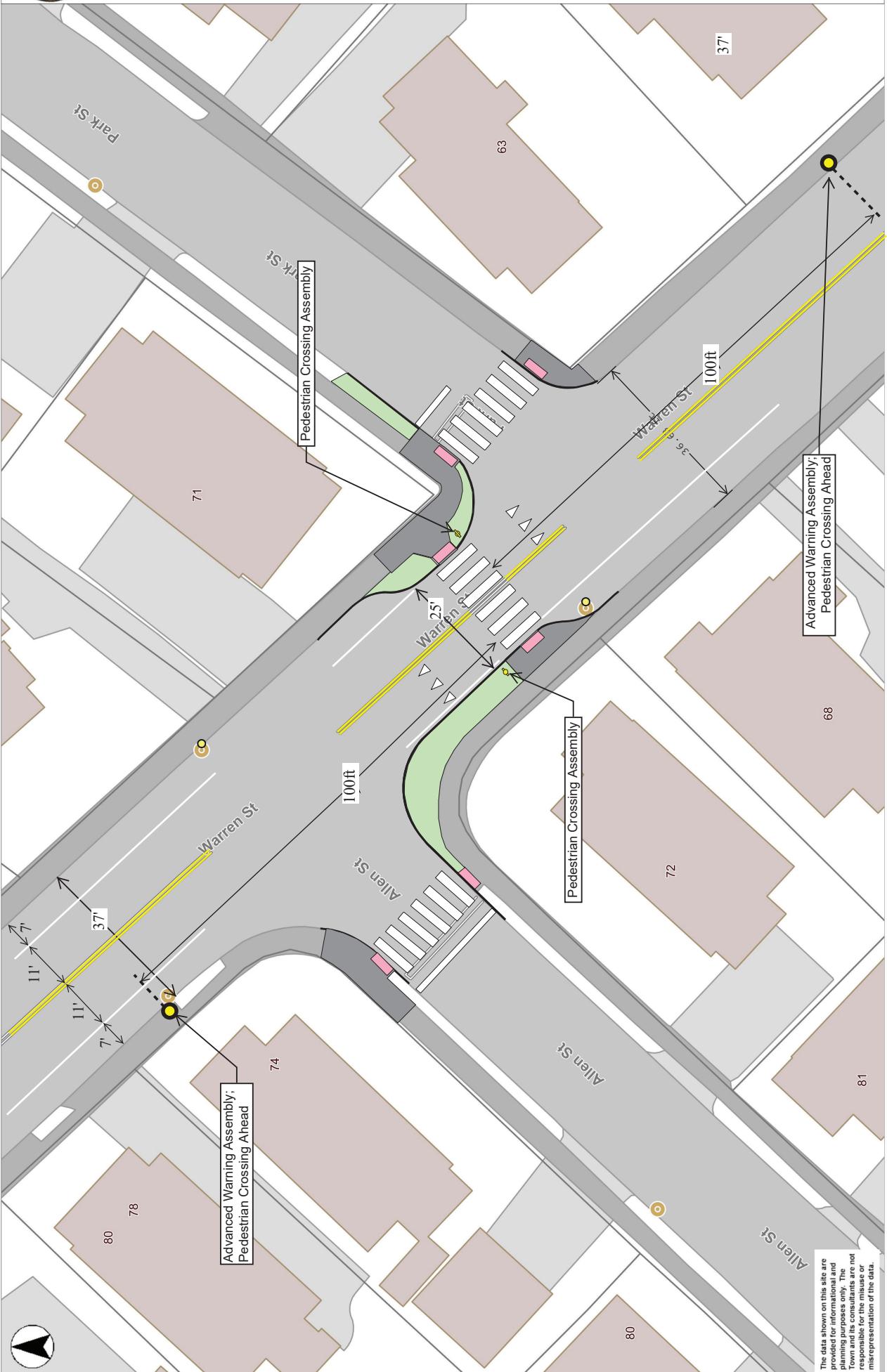
Sign Requirements:
Pedestrian Crossing Signs(duplicative):

- W11-2 (2)
- W16-9PL
- W16-9PR
- (30" x 30") High Visibility Yellow
- each side of street

Advanced Pedestrian Crossing Sign:

- W11-2
- (30" x 30") High Visibility Yellow
- Placard "Ahead" W16-9





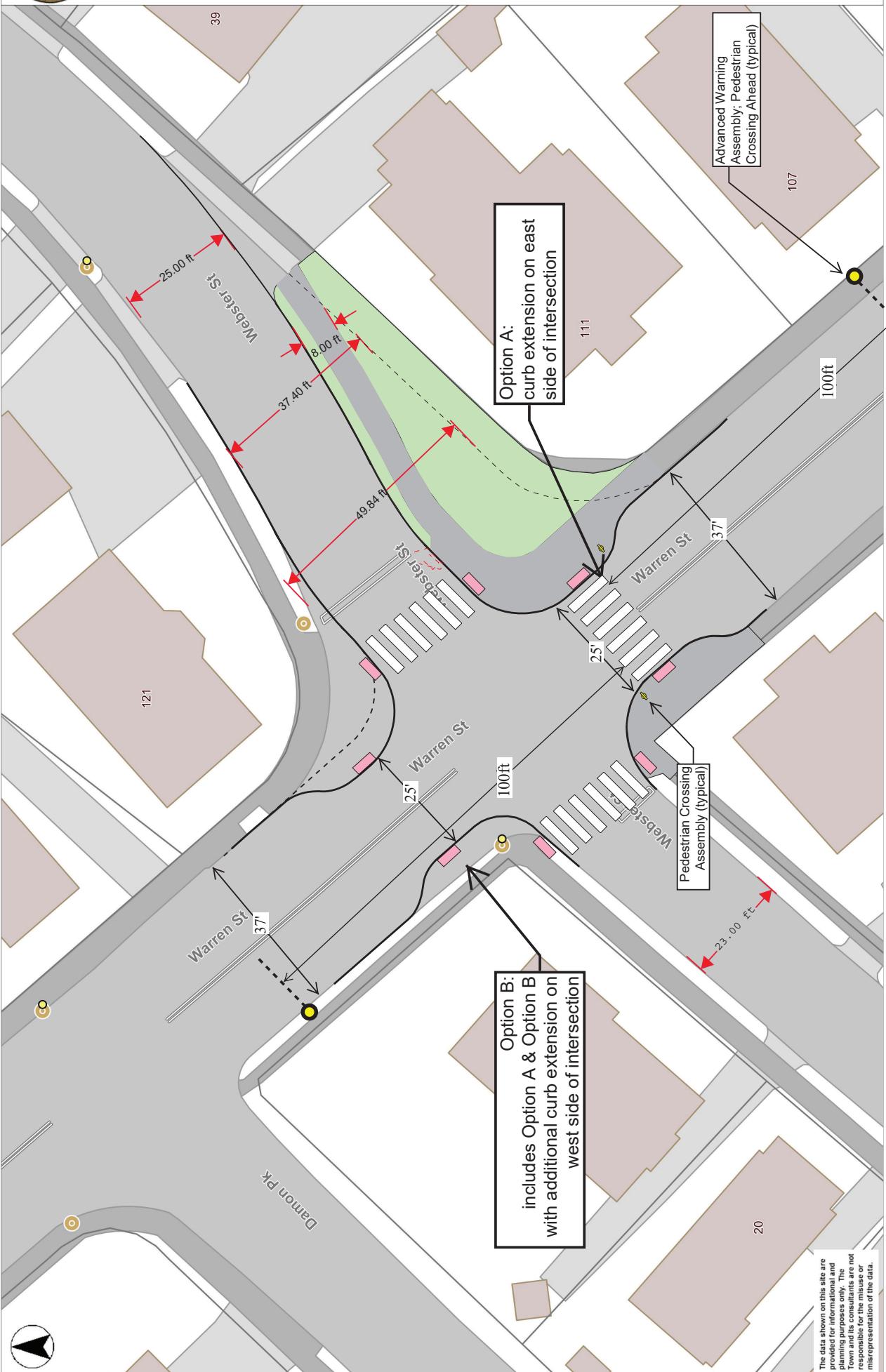
Curb Extensions at Warren St. and Park St./Allen St.

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Poles (All Pole Uses)
Lamp Post
Utility Pole with Street Light
Pedestrian Signal Pole
Traffic Signal Pole w/ PWD
Places by Category
Highways
Numbered Routes
Town Boundary
Abutting Towns
Buildings
Pavement Markings
Major Highways
Minor Highways
Numbered Routes
Road Boundary
Roads
Cemeteries & Roads
Impervious Surface - For Base Map
Street Island
Driveway
Bike Lane
Intersection
Road - For Large Scale (for Town)
Road - For Small Scale (for Town)
Major Road
Local Road
Master Plan Blue Map - Minimum
Water Line
Water Body



Warren St. at Webster St. - Geometry Modifications

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